



Daniel F. Caruso  
Chairman

# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

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January 5, 2007

Thomas J. Regan, Esq.  
Brown Rudnick  
CityPlace I  
185 Asylum Street  
Hartford, CT 06103

RE: **DOCKET NO. 323** - MCF Communications bg, Inc. and Omnipoint Communications, Inc.  
application for a Certificate of Environmental Compatibility and Public Need for the construction,  
maintenance and operation of a telecommunications facility located at 12 Carpenter Road, Bolton,  
Connecticut.

Dear Attorney Regan:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than January 11, 2007. To help expedite the Council's review, please file individual responses as soon as they are available.

Please forward an original and 15 copies to this office and a .pdf file on a compact disc. In accordance with the State Solid Waste Management Plan, the Council is requesting that all filings be submitted on recyclable paper, primarily regular weight white office paper. Please avoid using heavy stock paper, colored paper, and metal or plastic binders and separators. A list of parties and intervenors dated December 27, 2006 is enclosed. Fewer copies of bulk material may be provided as appropriate.

Yours very truly,

S. Derek Phelps  
Executive Director

c: Council Members  
Parties and Intervenors

**DOCKET NO. 323**  
**PRE-HEARING INTERROGATORIES**  
**SPRINT NEXTEL CORPORATION**

1. Discuss Sprint Nextel's need for the proposed facility. Specifically, what level of coverage does Sprint Nextel currently have in this area, and in what ways would the proposed facility improve the existing level of service?
2. What is the operating frequency and minimum signal level threshold that Sprint Nextel is planning to use in this area?
3. Provide antenna specifications, including type, make, size, model, number of channels, and maximum power output. Indicate the proposed antenna height, number of antennas and antenna mounting configuration planned for the site.
4. Within what frequencies does Sprint Nextel intend to operate at the proposed site?
5. Provide a worst case power density analysis for radio frequency emissions for Sprint Nextel's antennas at the proposed height on the tower. Please use the following equation.

$$\frac{(1.64)(.64)(\# \text{ of channels})(\text{power in watts/channel})(1000 \text{ mW/W})}{3.14 [(\text{distance from antenna to ground in feet})(30.49 \text{ cm/foot})]^2}$$

6. Would Sprint Nextel require an emergency generator at the proposed site?
7. Provide information on the number of dropped calls Sprint Nextel is experiencing in this area.
8. At what signal level would Sprint Nextel drop a call?
9. Provide composite radio frequency propagation plots for Sprint Nextel's existing coverage in the area of the proposed site, at Sprint Nextel's minimum signal level threshold and at a scale of 1:50,000. Please provide separate plots for cellular and PCS frequencies.
10. Provide composite propagation plots showing existing coverage and coverage from the proposed site at the height at which Sprint Nextel would locate antennas, at Sprint Nextel's minimum signal level threshold and at a scale of 1:50,000. Please provide separate plots for cellular and PCS frequencies.
11. Provide composite propagation plots showing existing coverage and coverage from the proposed site at ten feet below the height at which Sprint Nextel would locate antennas, at Sprint Nextel's minimum signal level threshold and at a scale of 1:50,000. Please provide separate plots for cellular and PCS frequencies.

**LIST OF PARTIES AND INTERVENORS**  
**SERVICE LIST**

<b>Status Granted</b>	<b>Status Holder (name, address &amp; phone number)</b>	<b>Representative (name, address &amp; phone number)</b>
<b>Applicant</b>	MCF Communications 668 Main Street Suite 114 Wilmington, MA 01887  Omipoint Communications Inc. 20 Cold Spring Harbor Rocky Hill, CT 06067	Julie Kohler, Esq. Carrie Larson, Esq. Cohen and Wolf, P.C. 1115 Broad Street Bridgeport, CT 06604
<b>Intervenor</b> <i>(if approved on 1/4/07)</i>	Sprint Nextel Corporation	Thomas Regan Brown Rudnick Berlack Israrels LLP City Place I, 185 Asylum Avenue Hartford, CT 06103-3402
<b>Intervenor</b> <i>(if approved on 1/4/07)</i>	Cellco Partnership d/b/a Verizon Wireless	Kenneth C. Baldwin Robinson and Cole LLP 280 Trumbull Street Hartford, CT 06103-3597
<b>Intervenor</b> <i>(if approved on 1/4/07)</i>	New Cingular Wireless PCS, LLC	Christopher B. Fisher, Esq. Cuddy and Feder LLP 445 Hamilton Avenue, 14 <sup>th</sup> Floor White Plains, NY 10601